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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Langley, Richard Jonathan

Application No.: Not yet assigned - National Group Art Unit:
stage of PCT/GB00/02274

Filed: Herewith

Examiner: Not yet assigned

For: MULTIBAND ANTENNA

Attorney Docket No.: 10681-006

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:/

Please cancel claims 1-28, and add claims 29-56:

sub B1 29. A RF antenna comprising a single conductor arranged in polygonal spiral form, and means for connecting the conductor to an antenna feed at or adjacent one end of the conductor, the other end of the conductor being open-circuited, the polygonal spiral form comprising successive linear sections, each forming an angle with a succeeding or preceding one, the total length of the conductor and the spacing of adjacent co-extending sections being such that the antenna exhibits resonances in a plurality of frequency bands.

C1 30. An antenna as in claim 29, wherein the lengths of the sections and the angles between them are such that the antenna is linearly polarized.

sub B2 > 31. An antenna as in claim 29, wherein opposite sides of the generally spiral form comprise at least three major sides that are markedly non-parallel with each other.